**Applied Anatomy of the Airways**

For Flexible Bronchoscopy

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**RIGHT UPPER LOBE**

- **Panel A**: Endoscopic view of the right upper lobe orifice, with surrounding vessels.
- **Panel B**: Endoscopic clock face view, with red arrow indicating location of the right pulmonary artery.

**LEFT MAIN BRONCHUS**

- **Panel A**: Endoscopic view of the left main stem bronchus, with vessels and the aortopulmonary lymph node superimposed at the nine o'clock position.
- **Panel B**: Endoscopic clock face view, with green arrow indicating proper site for TBNA of aortopulmonary lymph node below the aortic knob. Red arrow indicates location of left pulmonary artery and aorta.

**LEFT UPPER LOBE**

- **Panel A**: Endoscopic view of the left upper lobe bronchus, with vessels superimposed.
- **Panel B**: Endoscopic clock face view, with red arrow at nine o'clock indicating the location of the left pulmonary artery.

**BRONCHUS INTERMEDIUS—PROXIMAL**

- **Panel A**: Endoscopic view of the bronchus intermedius, with vessels and lymph nodes superimposed.
- **Panel B**: Endoscopic clock face view with green arrow indicating proper site for TBNA of the right hilar lymph node. Red arrow indicates right pulmonary artery.

**BRONCHUS INTERMEDIUS—DISTAL**

- **Panel A**: Endoscopic view of the bronchus intermedius with hilar lymph node superimposed at the three o'clock position.
- **Panel B**: Endoscopic clock face view with the green arrow indicating the proper site for TBNA of right hilar lymph node. The red arrow indicates location of right pulmonary vein.

**LEFT LOWER LOBE**

- **Panel A**: Endoscopic view of the left lower lobe bronchus.
- **Panel B**: Endoscopic clock face view with green arrow indicating proper site for TBNA of lower lobe hilar lymph node.

**CARINA**

- **Panel A**: Endoscopic view of the carina with surrounding lymph nodes superimposed.
- **Panel B**: Endoscopic clock face view of the carina, with surrounding lymph nodes superimposed.

**DISTAL TRACHEA**

- **Panel A**: Endoscopic view of the distal trachea, with adjacent vessels and lymph nodes superimposed.
- **Panel B**: The right paratracheal lymph node is between the one and two o'clock position, whereas the left paratracheal node is located at the three o'clock position.

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*The clock faces on B-panels represent a schematic of the endoscopic view at the indicated cross sections of the airway. Orientation for the clock face diagrams: patient in supine position, bronchoscopist facing away from patient’s head. Green and red arrows respectively indicate safe and unsafe location for needle aspiration or laser beam.

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